

# Recovery Plan Action Status

**Plan Name:** Recovery Plan Puerto Rican Population of the West Indian (Antillean) Manatee

**Plan Status:** Final

**Plan Date:** 24-Dec-86

**Lead Agency:** USFWS

**Lead Office:** Caribbean Ecological Services Field Office

(1-87)

(851-7297 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
West Indian manatee (Trichechus manatus)	1	1	Expand and improve carcass salvage program	Ongoing Current	Prior to FY 1995	FY 2009	U.S. Fish and Wildlife Service, Endangered Species Division, Research , Puerto Rico Department of Natural Resources	Management: General	Volunteer	Plan calls for 10-15 years
West Indian manatee (Trichechus manatus)	1	10	Assess contaminant concentrations	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources	Research: Demographic Studies	Internal Field Assistance, Volunteer	In conjunction with Action 1. Carcass salvage program
West Indian manatee (Trichechus manatus)	3	11	Determine recovery criteria	Ongoing Current	FY 2008	FY 2009	U.S. Fish and Wildlife Service, Endangered Species Division, Research , USFWS Regional Office 4 - Atlanta	Work type not yet selected	Labor type not yet selected	Contingent on data from Tasks 111, 112 & 121
West Indian manatee (Trichechus manatus)	1	12	Determine manatee movement patterns and trends in abundance and distribution	Ongoing Current	Prior to FY 1995	FY 2009	U.S. Fish and Wildlife Service, Endangered Species Division, Research , United States Navy , Puerto Rico Department of Natural Resources	Research: Population Surveys	Internal Field Assistance, Species Expert, Volunteer	Contingent on data from Tasks 111, 112, 121 & 122
West Indian manatee (Trichechus manatus)	3	13	Map seagrass beds	Partially Complete	FY 1995 - FY 1999	FY 2006	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources, USFWS Regional Office 4 - Atlanta	Work type not yet selected	Labor type not yet selected	

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West Indian manatee (Trichechus manatus)	2	14	Monitor habitat	Ongoing Current	FY 1995 - FY 1999	FY 2009	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources, USFWS Regional Office 4 - Atlanta	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	2	Conduct interview surveys	Obsolete			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources, USFWS Regional Office 4 - Atlanta	Research: General	Graduate Student	Plan call for 3-5 years
West Indian manatee (Trichechus manatus)	3	3	Assess need for boat regulatory zones	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural Resources, USFWS Regional Office 4 - Atlanta	Work type not yet selected	Labor type not yet selected	
West Indian manatee (Trichechus manatus)	2	4	Review coastal developments	Ongoing Current	Prior to FY 1995	FY 2009	U.S. Fish and Wildlife Service, Endangered Species Division	Research: Habitat Status	Internal Technical Assistance	
West Indian manatee (Trichechus manatus)	2	5	Develop I & E program	Ongoing Current	Prior to FY 1995	FY 2009	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service, Refuge Division, Puerto Rico Department of Natural Resources, USFWS Regional Office 4 - Atlanta	Other: Information and Education	Graduate Student, Internal Technical Assistance, Volunteer	I & E being conducted through volunteers and the Caribbean Stranding Network
West Indian manatee (Trichechus manatus)	2	6	Increase LE efforts	Not Started	Prior to FY 1995	FY 2009	U.S. Fish and Wildlife Service, Law Enforcement Division, Puerto Rico Department of Natural Resources, USFWS Regional Office 4 - Atlanta	Work type not yet selected	Labor type not yet selected	Plan calls for 3-5 years

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West Indian manatee (Trichechus manatus)	2	7	Abundance and distribution surveys	Ongoing Current	Prior to FY 1995	FY 2009	U.S. Fish and Wildlife Service, Endangered Species Division, Research , Puerto Rico Department of Natural Resources, USFWS Regional Office 4 - Atlanta	Research: Population Surveys	Internal Field Assistance	
West Indian manatee (Trichechus manatus)	2	8	Radio track manatees to determine habitat use and movement patterns	Ongoing Current	FY 1995 - FY 1999	FY 2009	U.S. Fish and Wildlife Service, Endangered Species Division, Research , United States Navy	Research: Habitat Requirements, Research: Population Surveys	Internal Field Assistance, Species Expert, Volunteer	Manatees have been radio tagged in three areas in Puerto Rico
West Indian manatee (Trichechus manatus)	3	9	Determine food habits	Partially Complete	FY 1995 - FY 1999	FY 2000 - FY 2004	Research , USFWS Regional Office 4 - Atlanta	Research: General	Graduate Student	